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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/540,330

06/21/2005

Nathan Bryan Mantlo

X-15710

8686

25885 7590 01/03/2007  
ELI LILLY & COMPANY  
PATENT DIVISION  
P.O. BOX 6288  
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EXAMINER

LAMBKIN, DEBORAH C

ART UNIT

PAPER NUMBER

1625

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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31 DAYS

01/03/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/540,330	<b>Applicant(s)</b> MANTLO ET AL.	
	<b>Examiner</b> Deborah C. Lambkin	<b>Art Unit</b> 1625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-58 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-58 are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

DEBORAH C. LAMKIN  
PRIMARY EXAMINER

## DETAILED ACTION

### *Election/Restrictions*

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-heteroaryl, X is a bond and U is alkyl unsubstituted and uninterrupted.

Group II, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-heteroaryl, X is O and U is alkyl unsubstituted and uninterrupted.

Group III, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-heteroaryl, X is S or SO<sub>2</sub> and U is unsubstituted and uninterrupted.

Group IV, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-heteroaryl, X is a bond and U is alkyl replaced with O.

Group V, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-heteroaryl, X is a bond and U is alkyl replaced with S.

Group VI, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-heteroaryl, X is a bond and U is alkyl replaced with N.

Group VII, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-heteroaryl, X is S and U is alkyl unsubstituted and unreplaced.

Group VIII, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is O and U is unsubstituted and unreplaced.

Group IX, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is N and U is alkyl unsubstituted and uninterrupted.

Art Unit: 1625

Group X, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is O and U is alkyl interrupted with O.

Group XI, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is S and U is alkyl interrupted with O.

Group XII, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is N and U is alkyl interrupted with O.

Group XIII, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is O and U is alkyl replaced with S.

Group XIV, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is S and U is alkyl replaced with S.

Group XV, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is N and U is alkyl replaced with S.

Group XVI, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is O and U is alkyl replaced with N.

Group XVII, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is S and U is alkyl replaced with N.

Group XVIII, claim(s) drawn to compounds, compositions and methods wherein R1, E, R9 and R30 is non-het, X is N and U is alkyl replaced with N.

Group XIX, claim(s) drawn to all other compounds, compositions and methods not covered by any of the above groups.

The inventions listed as Groups I-XIX do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

They do not meet both criteria A and B or C for Markush-type claims ( See MPEP 1850 D. Markush Practice ). More specifically, neither a novel common structure nor a significant structural element is present (criteria B), and neither do they belong to a single class of chemical compounds ( criteria C ).

Art Unit: 1625

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deborah C. Lambkin whose telephone number is 571-272-0698. The examiner can normally be reached on 9.00-5.30 M-F.

Art Unit: 1625

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas McKenzie can be reached on 571-272-0670. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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DEBORAH C. LAMERKIN  
PRIMARY EXAMINER